

**Directions:** Please complete shaded areas below.

<b>Department Name:</b> Finance <b>Project Name:</b> Implementing a Financial and Purchasing Data Warehouse <b>Project Amount:</b> \$700,000 <b>Preparer Name &amp; Contact Information:</b> Connie White, 305-375-3738, vaw@miamidade.gov		
<b>Project Type:</b> Please check (✓) one.		
<input checked="" type="checkbox"/> Enterprise	<input type="checkbox"/> Communities of Interest	<input type="checkbox"/> Department Specific
<b>Funding Source:</b> Please check (✓) one.		
<input checked="" type="checkbox"/> GF Capital	<input type="checkbox"/> Proprietary Capital	
<input type="checkbox"/> Mandated Requirement	(If checked (✓), please indicate who is mandating this request as well as the time frame)	
<input type="text" value="5"/>	Department Priority of Initiative (1, 2, 3, etc.)	

## Section A

### Background:

Currently, the County's General Ledger, Accounts Payables and Purchasing computer software applications (FAMIS/ADPICS) are based on legacy architecture that provides little flexibility to perform ad-hoc searches and reporting, limited access for data analysis and capability to extract data for further manipulation by other desktop tools such as Excel. This has created the need to produce many customized data extracts and reports that require the involvement of IT staff. There is also a latent need for data analysis currently being barely met.

### Problem Statement:

See above.

### Solution:

Implement a Financial and Purchasing data warehouse that will provide the data to the end user (e.g. budget analyst, financial analyst) and the tools to access that data. The initial phase of the data warehouse implementation will make use of cubes and extract routines available from Tier (FAMIS/ADPICS' vendor) running on enterprise-approved architecture. This initial phase will provide access to 25 concurrent users in several departments throughout the County to two full fiscal years of financial and purchasing data. It will provide web-based reports and data analysis capabilities.

### Expected Benefits / Direct Payback:

#### Expected Benefits:

- (1) More flexibility to access data – Data is currently available via pre-defined reports, on-line inquiries, and batch extracts. The data warehouse will provide users with the tools to access data via ad-hoc and pre-defined queries and reports that the user will have control over. The data obtained from the warehouse will be downloadable to formats such as Excel spreadsheets.

- (2) Fastest access to data – When data is needed for analysis and it is not available in an existing format, the customer currently has to wait for IT staff to produce data extracts and/or reports and for such data to be verified at every step in order to ensure accurate results. Data available via the data warehouse will be pre-selected and verified for quick availability. The user with access to the data warehouse will have able to retrieve this data in his/her own queries and reports.
- (3) Merging of financial and purchasing data – The data warehouse will allow the user to obtain information across FAMIS and ADPICS systems; questions such as “how much money has been paid under a contract” will be answered easily by accessing the data via the warehouse; currently, this takes running several extracts to produce desired reports.

Who benefits? - Department accessing FAMIS and ADPICS as users, department accessing FAMIS and ADPICS as managers (Finance, DPM, Budget) will all benefit by having the tools that allow easy, flexible access to financial and purchasing data without the need to involve IT staff. ETSD will benefit by having the capability to re-direct resources to the maintenance of the main functions of the software, instead of having to constantly answer requests for ad-hoc reports.